DPM-1422

TURCO MATERIAL SAFETY DATA SHEET

TURCO 4385 CS No.: 04784

Date: 08/11/92

SECTION I MANUFACTURER'S NAME AND ADDRESS

Manufacturer's Name: TURCO PRODUCTS, INC.
DIVISION OF ATOCHEM NORTH AMERICA
Address: 7300 BOLSA AVENUE
WESTMINSTER, CA 92684
Emergency telephone: (614) 387-6200
For Information: (714) 890-3600

SECTION II HAZARD INFORMATION

THE FOLLOWING INGREDIENTS ARE DEFINED TO BE HAZARDOUS PER 29CFR 1910-1200:

NAME (CAS)	CERCLA RQ	RCRA NO	SARA REPORTABLE	%
TOLUENE (108-88-3)	1000	U220	YES	10
ACGIH TLV: 100 ppm OSHA PEL: 100 ppm				
N-BUTYL ALCOHOL (71-36-3)	5000	U031	YES	<5
ACGIH TLV: C 50 ppm (skin) OSHA PEL: C 50 ppm (skin)				
ISOPROPANOL (67-63-0)	NOT LISTED	NOT LISTED	NO	20
ACGIH TLV: 400 ppm OSHA PEL: 400 ppm				
BUTYL BENZYL PHTHALATE (85-68-7)	100#	NOT LISTED	NO	<5
ACGIH TLV: NOT ESTABLISHED OSHA PEL: NOT ESTABLISHED				
ACETONE (67-64-1)	5000	U002	NO	45
ACGIH TLV: 750 ppm OSHA PEL: 750 ppm				
XYLENE (1330-20-7)	1000	U239	YES	5
ACGIH TLV: 100 ppm OSHA PEL: 100 ppm				

THE FOLLOWING INGREDIENTS ARE NOT REQUIRED TO BE LISTED BY 29CFR 1910-1200, BUT ARE LISTED IN CONFORMANCE WITH THE 'RIGHT-TO-KNOW' LAWS OF CERTAIN STATES, INCLUDING PENNSYLVANIA AND NEW JERSEY:

POLYESTER RESIN (68152-55-6)

CARCINOGENS: NONE (AS DEFINED IN 29CFR 1910-1200, APPENDIX A(1)

DOT INFORMATION
PROPER SHIPPING NAME: Coating solution

HAZARD CLASS: Flammable liquid ID NUMBER: UN1139

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SECTION III PHYSICAL PROPERTIES (TYPICAL)

Boiling point: Approx. 130 deg. F.
Specific gravity: 0.82
Vapor pressure: Approx. 150mmHg
Volatile, % by volume: Approx. 88%
SCAQMD VOC: 734 g/l.(calculated from nominal composition)
Vapor density: >1 (air=1)
Evaporation rate: <1 (BuAc=1)
Solubility in water: Slight
pH: NA
Appearance and odor:
Blue-violet liquid; acetone odor

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SECTION IV - FIRE AND EXPLOSION HAZARDS:

FLASH POINT AND METHOD USED: 15 Fahrenheit.(TCC or Setaflash)
EXTINGUISHING MEDIA:
Foam, carbon dioxide, dry chemical
SPECIAL FIRE FIGHTING PROCEDURE AND PRECAUTIONS:
Use self-contained respiratory protection.
UNUSUAL FIRE AND EXPLOSION HAZARDS:
Vapors from this product are heavier than air and may travel along the ground to be ignited at a point remote from material handling area.

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SECTION V - HEALTH AND EMERGENCY INFORMATION:

EFFECTS OF OVER-EXPOSURE: EYES:
Contact with eyes may cause moderate to severe irritation.
SKIN:
Contact with skin may cause moderate to severe irritation, drying, defatting, readily absorbed through skin in toxic amounts.
INHALATION:
Vapors: Moderate irritation, dizziness, headache, possible narcosis.
Mist: Severe respiratory irritation, nausea, possible lung damage.
INGESTION:
Moderate to severe irritation of gastrointestinal tract, nausea.
MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED:

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SECTION VA - FIRST AID INFORMATION:

FIRST AID: EYES:
Flush eyes with large volumes of water for at least 15 minutes. If irritation persists, obtain medical attention.
SKIN:
Speed is essential. Flush affected area with large volumes of water. Wash with soap and water. Rinse thoroughly. If irritation is evident or blistering occurs, obtain medical attention.

INHALATION:
Remove to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, apply artificial respiration. Obtain medical attention.
INGESTION:
Do not induce vomiting except on advice of competent medical personnel. If vomiting occurs spontaneously, keep head below hip level to reduce possibility of aspiration pneumonitis. If victim is conscious, dilute by giving large volumes of milk or water. Obtain immediate medical attention. Never attempt to induce vomiting or give anything by mouth to an unconscious person.
PRIMARY ROUTES OF ENTRY ARE INHALATION AND SKIN CONTACT.

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SECTION VI - REACTIVITY DATA:

STABILITY: STABLE
CONDITIONS TO AVOID:
Contact with strong acids, strong alkalies, strong oxidizers
HAZARDOUS DECOMPOSITION PRODUCTS:
Thermal decomposition may produce carbon monoxide, dioxide and other toxic volatile organic compounds

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SECTION VII - SPILL, LEAK AND DISPOSAL PROCEDURE:

SPILL OR RELEASE PROCEDURE: CONCENTRATE
Cleanup personnel should use appropriate protective equipment. Contain spillage. Stop leak at source if this can be done safely. Ventilate area. Eliminate all sources of vapor ignition. Nonessential personnel should leave the area until cleanup is completed. Pump liquid into DOT-approved drums for disposal. Absorb remaining liquid onto inert absorbent and place in DOT-approved drums for disposal. Wash area with water. Collect washings and place in DOT-approved drums for disposal. Keep concentrate and wash water from entering sewers or waterways.
USE SOLUTION:
As for concentrate, if applicable.
DISPOSAL INFORMATION: CONCENTRATE:
(1) Transfer to reclaiming center for recycling or reuse, if possible.
(2) Transfer to licensed hazardous waste treatment or disposal site for disposition under applicable local, state and regional regulations as hazardous waste.
SPENT SOLUTION AND RINSES:
If applicable, rinse water may be neutralized (if not already neutral) and allowed to stand. The separated solvent should be skimmed off and disposed as described above. The water may then be treated to remove residual organic material by oxidation and/or carbon treatment. The clarified water may be released to sewer if local regulations permit.

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SECTION VIII - SPECIAL PROTECTION INFORMATION:

RESPIRATORY PROTECTION:
If TLV is exceeded, a NIOSH-approved self-contained breathing apparatus, positive pressure hose mask or an air line mask is advised. These should have a full face piece and be operated in a positive pressure mode. For limited exposure time, in areas of good ventilation, a full face mask with an organic vapor cartridge or canister may be used. These must not be used in any areas where a danger of oxygen deficiency exists, such as partly enclosed or low lying areas, including sumps or tanks. If respirators are used, a formal training and screening program must be initiated. See 29 CFR 1910-134.

VENTILATION:
Maintain sufficient mechanical ventilation to keep concentration below TLV.
PROTECTIVE EQUIPMENT:
Protective equipment: Face shield or goggles, gloves, boots and apron made of solvent resistant material (e.g. neoprene, viton, etc.). Protective suit not normally required.
RECOMMENDED PERSONAL HYGIENE
Wash hands and face with soap and water before smoking or eating. Immediately remove all contaminated clothing. Launder separately before reuse.

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SECTION IX - OTHER INFORMATION:

SPECIAL PRECAUTIONS - STORAGE AND HANDLING:
Store in dry protected area away from strong oxidizing agents, strong acids and strong alkalies. Metal containers should be fitted with a bonded ground wire when material is transferred. Empty containers may contain flammable vapors in dangerous amounts.
MIXING:
Does not apply.
REPAIR AND MAINTENANCE OF CONTAMINATED EQUIPMENT:
Relieve any pressure. Cover openings to avoid spurting. Clean exterior and interior by flushing with water. Collect flushings for disposal. Use protective equipment for eyes, skin and inhalation.

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DATE PREPARED: 09/19/90 DATE PRINTED: 08/11/92 FILE NO: 4385.017/0